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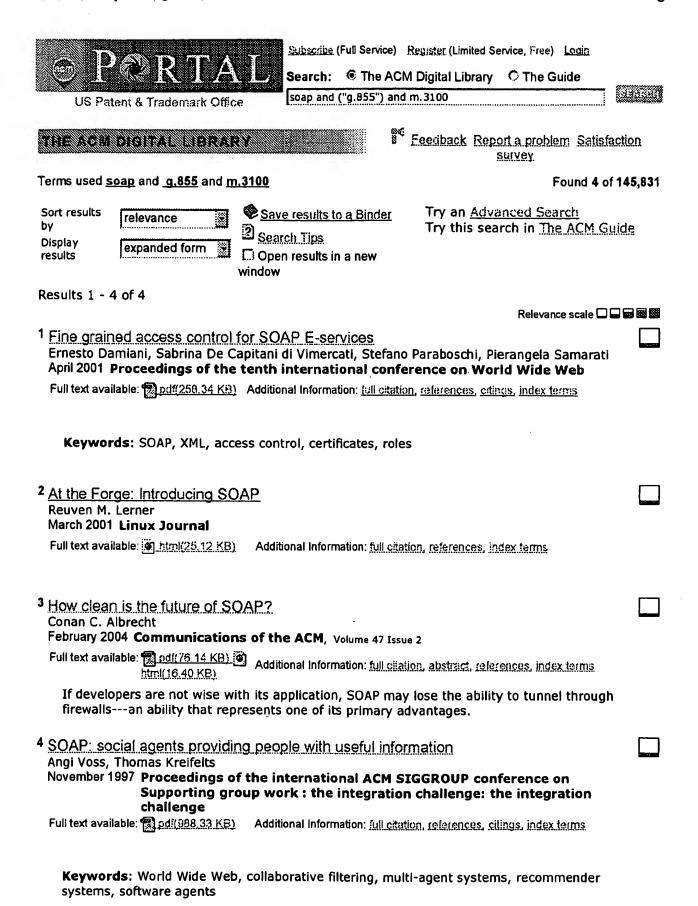
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April 2001 **Proceedings of the tenth international conference on World Wide Web**

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**Keywords:** SOAP, XML, access control, certificates, roles

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Reuven M. Lerner
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Conan C. Albrecht
February 2004 **Communications of the ACM**, Volume 47 Issue 2

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**4 SOAP: social agents providing people with useful information**                    □
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**1**  A web-oriented architectural aspect for the emerging computation tapestry          ☐
Kevin Sullivan, Avneesh Saxena
July 2001  **Proceedings of the 23rd International Conference on Software Engineering**

Full text available: ▤ pdf(133.72 KB)
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*An emerging tapestry of computations will soon integrate systems around the globe. It will evolve without central control. Its complexity will be vast. We need new ideas, tools and methods to help map, understand and manage this tapestry. We contribute a light-weight architectural aspect that designers can use without compromising their own architectural preferences. Widespread use could help. The idea is for objects to provide web-based interfaces to object-specific meta-data, stat ...*

**Keywords**: *architectural aspect, noosphere, software, web interface*

**2**  Conferencing: Ubiquitous computing using SIP          ☐
Stefan Berger, Henning Schulzrinne, Stylianos Sidiroglou, Xiaotao Wu
June 2003  **Proceedings of the 13th international workshop on Network and operating systems support for digital audio and video**

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In the past decade, there have been numerous efforts in ubiquitous computing, making computational resources or communication more widely available. We believe that it is time to move to a global-scale ubiquitous computing system that is securable, administered by multiple independent administrators and integrates off-the-shelf hardware and software. We are developing such a system based on the Session Initiation Protocol (SIP), with Bluetooth devices for location sensing and Service Location Pr ...

**Keywords**: SIP, SLP, bluetooth, location based services, scalability, ubiquitous computing

**3**  Game infrastructure: Implementation of a service platform for online games          ☐
Anees Shaikh, Sambit Sahu, Marcel Rosu, Michael Shea, Debanjan Saha
August 2004  **Proceedings of ACM SIGCOMM 2004 workshops on NetGames '04: Network and system support for games**

Full text available: ▤ pdf(319.22 KB)    Additional Information: full citation, abstract, references, index terms

Large-scale multiplayer online games require considerable investment in hosting infrastructures. However, the difficulty of predicting the success of a new title makes investing in dedicated server and network resources very risky. A shared infrastructure based on utility computing models to support multiple games offers an attractive option for game providers whose core competency is not in managing large server deployments.In this paper we describe a prototype implementation of a shared, on de ...

**Keywords:** game hosting, on demand computing, online games

4 ARMAdA: creating a reflective fellowship (options for interoperability)
Edward Curry, Desmond Chambers, Gerard Lyons
October 2004 **Proceedings of the 3rd workshop on Adaptive and reflective middleware**

Full text available: pdf(676.39 KB)     Additional Information: full citation, abstract, references, index terms

With the development of numerous adaptive and reflective middleware platforms, inter-platform interoperability is a desirable next step. At present, little or no interoperability is possible at the meta-layer of reflective middleware. The emergence of an open standard for meta-layer interaction is imperative to support the development of next-generation middleware that can express their needs and capabilities to platforms with which they interact. In this paper, we describe the foundations of ...

**Keywords:** adaptive and reflective middleware, domain specific languages, interaction standard

5 Linux for suits
Doc Searls
July 2002 **Linux Journal**, Volume 2002 Issue 99

Full text available: html(10.42 KB)     Additional Information: full citation, abstract, index terms

The Protocol Problem

6 Development of SNMP-XML translator and gateway for XML-based integrated network management
Jeong-Hyuk Yoon, Hong-Taek Ju, James W. Hong
July 2003 **International Journal of Network Management**, Volume 13 Issue 4

Full text available: pdf(251.02 KB)     Additional Information: full citation, abstract, references, index terms

The research objective of our work is to develop a SNMP MIB to XML translation algorithm and to implement an SNMP-XML gateway using this algorithm. The gateway is used to transfer management information between an XML-based manager and SNMP-based agents. SNMP is widely used for Internet management, but SNMP is insufficient to manage continuously expanding networks because of constraints in scalability and efficiency. XML based network management architectures are newly proposed as alternatives t ...

7 Fine grained access control for SOAP E-services
Ernesto Damiani, Sabrina De Capitani di Vimercati, Stefano Paraboschi, Pierangela Samarati
April 2001 **Proceedings of the tenth international conference on World Wide Web**

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**8** At the Forge: Introducing SOAP                                               □
Reuven M. Lerner
March 2001 **Linux Journal**

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**9** SNMP through WWW                                                            □
Ching-Wun 'Bo' Tsai, Ruay-Shiung 'Bo' Chang
March 1998 **International Journal of Network Management**, Volume 8 Issue 2

Full text available: 📄 pdf(376.25 KB)    Additional Information: full citation, abstract, references, citings, index terms

> In this article we propose a bilingual agent to accept either SNMP or HTTP commands and design several HTML pages to facilitate the task of network management. For network elements that support only SNMP, the bilingual agent can act as a proxy, so that the traditional SNMP agent can also be queried through the Web browser. © 1998 John Wiley & Sons, Ltd.


**10** How clean is the future of SOAP?                                           □
Conan C. Albrecht
February 2004 **Communications of the ACM**, Volume 47 Issue 2

Full text available: 📄 pdf(76.14 KB) 🔲    Additional Information: full citation, abstract, references, index terms
html(16.40 KB)

> If developers are not wise with its application, SOAP may lose the ability to tunnel through firewalls---an ability that represents one of its primary advantages.


**11** A load cluster management system using SNMP and web                        □
Myung-Sup Kim, Mi-Joung Choi, James W. Hong
November 2002 **International Journal of Network Management**, Volume 12 Issue 6

Full text available: 📄 pdf(355.47 KB)    Additional Information: full citation, abstract, references, index terms

> Clustered servers for Internet service is a popular solution to cope with the explosive increase in client requests. The high probability of service failure in cluster servers make the cluster management system necessary to provide high availability and convenient administrator control. In this paper, we present the design and implementation of a load cluster management system (LCMS) based on SNMP and Web technology. Our LCMS implementation has been deployed on a commercial ultra-dense server.


**12** SNMP for home automation                                                  □
Ran Giladi
July 2004 **International Journal of Network Management**, Volume 14 Issue 4

Full text available: 📄 pdf(177.81 KB)    Additional Information: full citation, abstract, references, index terms

> Home and building automation applications impose the need for convergence, or at least interoperability, of data networks with intelligent building networks. This situation entails the use of a unified management system. In this paper we extend the traditional SNMP-based network management system paradigm by creating an integrated site network management system that contains data elements, telecommunication equipment and intelligent building devices. A possible architecture based on a proxy gate ...


**13**                                                                           □
A scalable SNMP-based distributed monitoring system for heterogeneous network computing

Rajesh Subramanyan, José Miguel-Alonso, José A. B. Fortes
November 2000 **Proceedings of the 2000 ACM/IEEE conference on Supercomputing (CDROM)**

Full text available: pdf(171.64 KB)     Additional Information: full citation, abstract, references, citings, index
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Traditional centralized monitoring systems do not scale to present-day large, complex, network-computing systems. Based on recent SNMP standards for distributed management, this paper addresses the scalability problem through distribution of monitoring tasks, applicable for tools such as SIMONE (SNMP-based monitoring prototype implemented by the authors). Distribution is achieved by introducing one or more levels of a dual entity called the Intermediate Level Manager (ILM) bet ...

**14** SOAP: social agents providing people with useful information
Angi Voss, Thomas Kreifelts
November 1997 **Proceedings of the international ACM SIGGROUP conference on Supporting group work : the integration challenge: the integration challenge**

Full text available: pdf(988.33 KB)     Additional Information: full citation, references, citings, index terms

**Keywords**: World Wide Web, collaborative filtering, multi-agent systems, recommender systems, software agents

**15** Design and implementation of a web-based Internet performance management system using SNMP MIB-IIO
Seong Jin Ahn, Seung Keun Yoo, Jin Wook Chung
September 1999 **International Journal of Network Management**, Volume 9 Issue 5

Full text available: pdf(842.57 KB)     Additional Information: full citation, abstract, references, index terms

This article is aimed at defining items of analysis using SNMP MIB&hyphen;II for the purpose of analyzing the performance of Internet&hyphen;based networks running on TCP&sol;IP protocol, and then utilizing these items, in conjunction with various Web technology and JAVA, to design and implement a Web&hyphen;based interface of a management system to analyze the performance of the Internet. Copyright © 2000 John Wiley & Sons, Ltd.

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